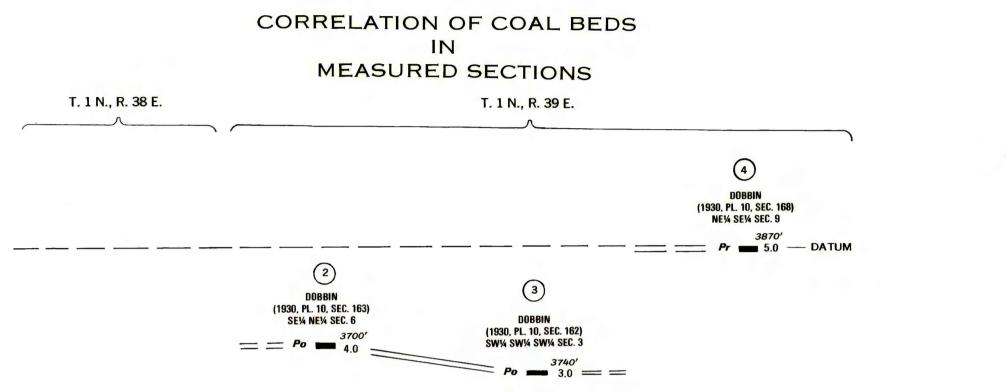
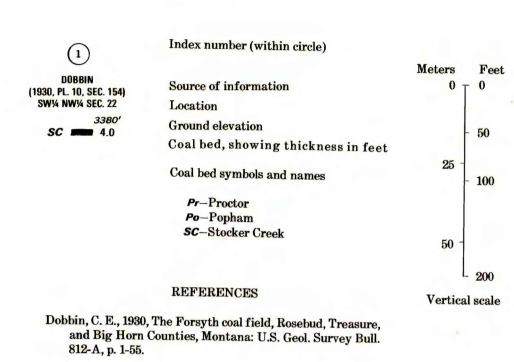
COMPOSITE COLUMNAR SECTION

SYSTEM	SERIES	FORMATION	MEMBER	BED NAME				LITHOLOGIC DESCRIPTION
	PALEOCENE	FORT UNION FORMATION	TONGUE RIVER MEMBER (PART)	Local	+ 1 2 7 7 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2	1	2 3. 4. 5. 6. 7. 8.	Clinker capping Little Wolf Mountain. Red baked shale and sandstone formed by the burning of a local coal bed. Sandstone and sandy shale, yellow; contains thin and nonpersistent coal beds. Coal Sandstone, brown and yellow, massive, concretionary, carbonaceous layers. Shale and claystone, grayish black. Sandstone, yellow, well stratified. Coal Sandstone, grayish white.
TERTIARY				Local		3	10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	Sandstone, brown, forming a bench. Shale, sandy, contains many thin burned coal beds. Sandstone and sandy shale, grayish white and yellow, many concretionary lenses and thin carbonaceous beds. Sandstone, yellowish white. Shale, somber colored Sandstone, brown. Sandstone, gray; and carbonaceous shale. Sandstone, yellowish brown. Coal Sandstone, yellow, and yellowish brown. Shale, carbonaceous, sandy. Coal, and bony coal, thin. Sandstone, grayish yellow, massive. Shale, greenish. Shale, carbonaceous; a littly dirty coal.
				Local	J (L, J, V (J	5 6 7 8 9	24. 25. 26. 27. 28. 29. 30. 31. 32.	Claystone, yellow. Sandstone, gray, massive. Sandstone, yellow. Sandstone, gray, massive, weathers into fantastic erosion forms. Sandstone, gray; and blue claystone. Coal Shale, gray, thin lenses of sandstone. Coal Shale, gray, sandy. Coal. Sandstone and sandy shale.
					> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	11 12 13		
				Proctor		14 15 16 17		M eters Feet
				Popham		19 20 21 22 23 24		0 — 0 50 25 — — 100
						25 26 27		50 –
				Rosebud- McKay Stocker Creek Robinson		28 29 30 31 32 33 34		





EXPLANATION

DOBBIN
(1930, PL. 10, SEC. 154)
SW4 NW4 SEC. 22

3390'
SC 4.0 ====

OPEN-FILE REPORT
This report has not been edited for con
U.S. Geological Survey editorial sta
stratigraphic nomenclature
Compiled in 1977

COAL RESOURCE OCCURRENCE MAP OF THE SARPY SCHOOL QUADRANGLE, BIG HORN, ROSEBUD, AND TREASURE COUNTIES, MONTANA BY COLORADO SCHOOL OF MINES RESEARCH INSTITUTE 1979